



Missouri Department of Natural Resources

# 2013 Annual Compliance Report

OF MISSOURI PUBLIC DRINKING WATER SYSTEMS



Cape Girardeau

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## Note from the Branch Chief

Missouri is blessed with an abundance of high-quality water supplied by its many underground aquifers and major river networks. These sources provide Missourians with water not only for drinking but for a myriad of household and other purposes. It is critical that water provided to the public be safe and abundant.

2014 marks the 40th anniversary of the Missouri Department of Natural Resources and the Safe Drinking Water Act, the main federal law that protects Americans' drinking water. In Missouri, the Safe Drinking Water Act is implemented by the department, which sets limits and monitors for 91 different chemical and microbiological contaminants in 2,716 public water supplies throughout the state. The department also ensures each public water supply is operated by highly trained and certified staff.

This report provides information on how well public water systems in Missouri are meeting the standards for providing safe drinking water.

This is the eighteenth Annual Compliance Report the Public Drinking Water Branch has produced since 1996 and covers compliance statistics for calendar year 2013. Each state produces a similar annual report on its public water systems. The reports are made available to the public and are provided to the U.S. Environmental Protection Agency for inclusion in a national report summarizing the performance of the nation's public drinking water systems.

The branch provides this report not only to comply with statutory obligations mandated by the federal Safe Drinking Water Act, but also to focus attention and provide an understanding of the importance of quality drinking water to the public.

The report shows Missouri's water systems continued to provide safe and reliable drinking water in 2013. The Total Coliform Rule monitoring and maximum contaminant level requirements generate the most violations. This reflects the relatively high frequency of monitoring and vulnerability of water systems to bacteriological contamination. Significant progress has been made on radionuclide compliance, although several new systems are struggling to meet standards. A number of systems are experiencing difficulty complying with current disinfection byproduct requirements. The department is assisting many systems tackle this very difficult issue. More stringent requirements under the Stage 2 Disinfectants and Disinfection Byproducts Rule began going into effect in 2012, requiring secondary water systems to meet the DBP standards also. Since water age can exacerbate DBP levels, there will likely be significant compliance challenges for some secondary water systems to overcome. Compliance with Consumer Confidence Report requirements continues to be a challenge; the Public Drinking Water Branch has worked hard to assist the community water systems with this workload by hosting the reports on the department's website. We continue focusing on these and other standards to ensure Missourians receive high-quality, safe drinking water.

The federal Groundwater Rule has imposed a host of new requirements on the 90 percent of Missouri Public Water Systems that use groundwater as their source. This rule continues to be challenging to both public water systems and regulators. The department has been working hard to assist affected public water systems struggling to comply with this complicated rule.

Under the LT2 rule, there are 14 water systems that use surface water for their source that will need to install additional treatment to enhance protection against possible waterborne pathogens. These 14 systems fell into Bin 2, requiring additional treatment, after Cryptosporidium was found over a certain threshold in their raw water sources. Compliance dates vary based on the water system's population, but all will be challenged with the additional treatment requirements.

I hope you find this report informative and useful.

**Steven W. Sturgess, Chief**  
Public Drinking Water Branch  
Missouri Department of Natural Resources

## What is a Public Water System?

A public water system is defined as a system that provides water through piping or other constructed conveyances for human consumption to at least 15 service connections, or serves an average of at least 25 people for at least 60 days each year. These are the systems that are the focus of this report.

There are three types of public water systems:

1. Community systems include towns, water districts, subdivisions, mobile home parks and residential facilities such as nursing homes or prisons.
2. Nontransient noncommunity systems serve the same people every day, but not in a residential setting; schools and factories are good examples.
3. Transient noncommunity systems serve different people daily, such as restaurants, resorts and rest stops. These smaller systems are typically in rural areas where it is not feasible to hook up to a city or water district.

Requirements for construction, operation, monitoring, etc., vary among systems based on their type, size and source of water.

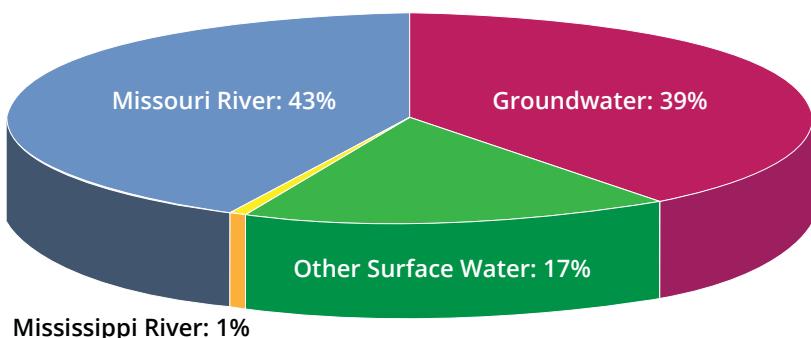
Water testing at systems that are not public water systems (for example, homes served by private wells) is facilitated by local and county sanitarians and the Missouri Department of Health and Senior Services, rather than the Department of Natural Resources.

## The Missouri Public Water System Universe

In 2013, there were 2,716 active public water systems in Missouri. Of this total, 1,446 were community, 216 were nontransient noncommunity, and 1,054 were transient noncommunity systems.

The community water systems in Missouri served more than 5 million citizens in 2013. These citizens benefit from one of Missouri's most outstanding resources: its water. There is generally a large quantity of high-quality water in Missouri.

## Source of Water (Percent Population Served)



\* Population served by alluvial wells are included in the groundwater percentage.

## Public Water Systems by Type

Nontransient Noncommunity:

216  
8%

Transient  
Noncommunity:  
1054  
39%

Community:  
1446  
53%

By far the largest source of drinking water for Missourians is surface water from the Missouri River. The abundant supply of water in the Missouri River and its proximity to the state's major population centers make the use of this river as a source so popular.

Groundwater is the next most used source of drinking water for Missouri's community supplies. In southern Missouri, good quality groundwater is easy to obtain and typically requires very little treatment to be used for drinking water. Some groundwater systems have the best of both worlds and

use alluvial wells in valleys of the Missouri and Mississippi river system where they can get large volumes of water free of surface contaminants. Wells in the Missouri River alluvium provide groundwater to a significant population. More than half the state's population gets their drinking water from the Missouri River or its alluvial wells. The importance of this resource cannot be overstated.

## Analysis of Compliance

We expect a lot from our public water systems and require testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. A system is to be applauded for performing all required testing and meeting all maximum contaminant levels, also referred to as MCLs, and treatment technique standards. When violations do occur, that often is the first identification of a problem and can be the first step toward correcting it. Many public water systems perform testing beyond what is required by the state.

The Summary of Violations table in this report counts individual violations. Each public water system has the potential to accumulate multiple violations during the year because there are multiple regulations involved and some monitoring is on a monthly schedule. For example, the monitoring requirements for the Total Coliform Rule alone create a potential for more than 30,000 violations. This puts some perspective on the violation figures shown in the

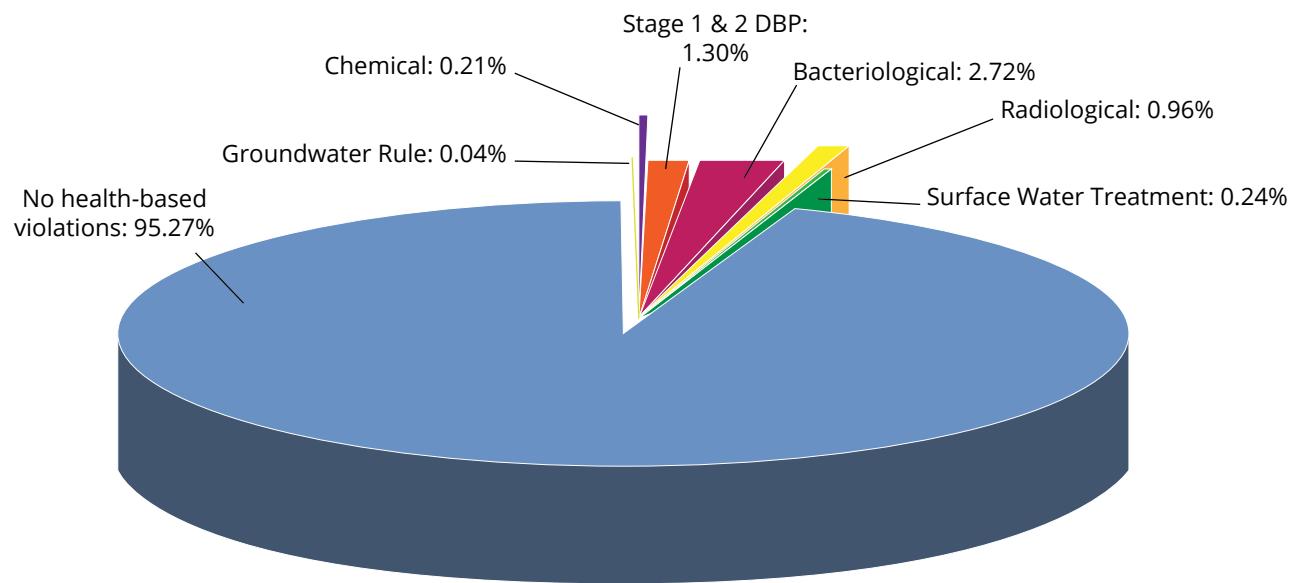
Summary of Violations table and the information in the appendices. Another factor to consider is the number of systems that have violations. Many of the violations are from water systems with problems that result in multiple violations during the year. Other systems may only have one or two violations.

Appendices A through C list specific systems by county. The department uses various methods to focus on the water systems that need attention. The department used a process for many years developed by EPA to identify significant noncompliers. State regulators were critical of this process because it weighted monitoring and reporting violations as much as health-based violations. As a result, EPA developed a new enforcement response policy that focuses on health-based violations. This new policy includes an enforcement targeting tool that tracks systems with the most noncompliance. The new policy and tool identify priority systems for enforcement response, define timely and appropriate enforcement responses and clarify what constitutes a formal action.

Maximum contaminant level and treatment technique violations represent the most significant impact on the public health. These occurred at a small number of public water systems serving approximately 4.73 percent of the population.

Since 1996, when the first Annual Compliance Report was produced, through 2003, Missouri has consistently met or exceeded EPA's target of serving water that meets all health-based standards to 95 percent of the population. Again in 2006, Missouri community water systems met EPA's target. The small dip below the 95 percent target in 2004 and 2005 did not represent a reduction in water quality, but is a result of more stringent drinking water standards. In 2007, this compliance measure dropped significantly because Missouri's largest water system had a treatment technique violation. The same phenomenon happened again in 2010. Even though these events were of short duration, the entire population had to be counted in this statistic. For more information on this item, refer to the 2008 Annual Compliance Report.

## Percent Population of Community Water Systems in Violation of Health-based Standards



EPA and the states have worked together to develop an additional compliance measure called "person-months during which community water systems provide water that meets health-based standards." This measure is intended to take into account situations where violations are of short duration. Missouri achieved 95.27 percent compliance with this measure in 2013. The national target for federal fiscal year 2013 was 95 percent.

The majority of MCL and monitoring violations in 2013 were for failure to meet the requirements of the Total Coliform Rule. Total coliform bacteria serve as an indicator that disease-causing organisms may be present. All public water systems in the state must test for this type of bacteria every month they dispense water to the public. Monitoring violations are by far the most common violation for this rule. The department is particularly concerned when monitoring violations occur at public water systems that have a history of bacteriological contamination. Adequate testing is the only way to know for sure if the problems have been corrected or have reoccurred.

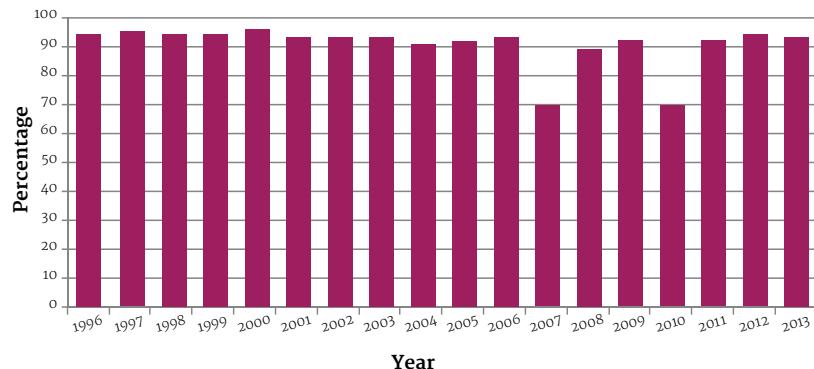
In 2013 18 public water systems, 0.66 percent, had acute violations for fecal coliform or E. coli.

Another way to look at the number of acute MCL violations is to compare the number that actually occurred to the number possible. Since bacteriological testing is required monthly, the 2,716 water systems had more than 30,000 chances to get an E. coli MCL violation. The 18 that actually occurred represent less than one-tenth of 1 percent of the number possible. While these acute violations can be serious, they are rare.

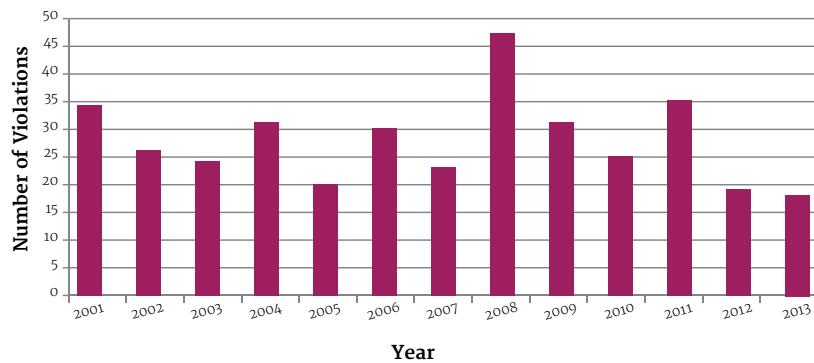
Some people may be more vulnerable to waterborne illness than the general population. To educate the public on this issue, community water systems include a warning in their annual Consumer Confidence Reports stating that some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections.

## Drinking Water Trends Community Systems:

Population Served Meeting  
All Health-based Requirements



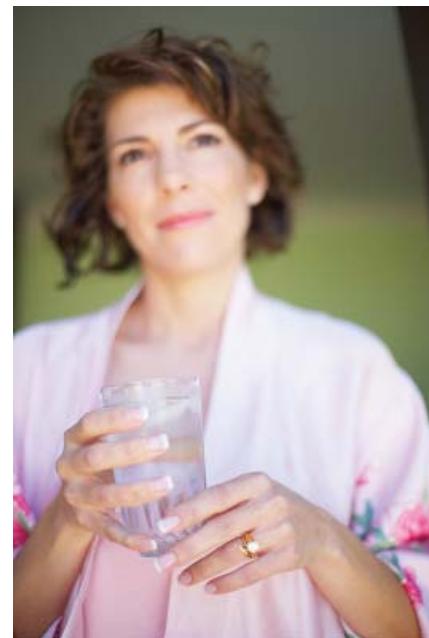
## E. coli/Fecal Coliform Acute MCL Violations



The Consumer Confidence Report provides detailed information about the specific community water system, while this report does not. Consumer Confidence Reports include specifics about the water system, including the source of drinking water and the levels of naturally occurring substances in drinking water. Usually these pose no health threat and are not violations. The report must list violations of state and federal requirements for that year. The department has made a concerted effort to provide technical assistance to small water systems through a circuit rider

to help with report preparation and distribution. As a result, the overall compliance rates have been high. In 2013, 80.84 percent of Missouri's community water systems distributed their Consumer Confidence Reports properly.

Anyone can request a copy of their report from their public water system or by calling the department's Public Drinking Water Branch at 800-361-4827 or 573-751-5331.



## Compliance Activities: Preserving the Quality of Drinking Water

The department works closely with violators to return them to compliance in a timely manner. This includes phone contacts, on-site inspections, meetings with owners or operators and technical assistance as needed. For more serious violations, a bilateral compliance agreement between the water system owner and the department is the tool used to return the system back into compliance. Bilateral compliance agreements are voluntary written agreements negotiated between the system owner and department's regional office. This process allows the department to determine the improvements the water system needs to make without either party having to endure the time and cost of formal litigation.

If a water system owner or operator violates a bilateral compliance agreement, the department takes formal enforcement actions. The public water system is referred to the Public Drinking Water Branch for an administrative order on consent. This order includes a compliance schedule and penalties. If this enforcement action is unsuccessful then the Public Drinking Water Branch refers the matter to the attorney general's office for suit and injunctive relief.

Public Drinking Water Branch staff work in conjunction with other agencies to protect public health. By serving on a committee with staff from the Department of Health and Senior Services, the two agencies identify ways to support and benefit each other's activities. One of those areas is enforcement activity against facilities, such as restaurants, that are regulated by both agencies.

The department provides training and technical assistance in an effort to prevent the occurrence of violations. Training is routinely provided to operators and owners of public water systems around the state, primarily concentrating on the basic principles of running a water system, performing the required monitoring and preventing contamination of the system. Technical assistance in the form of phone contacts and on-site visits is also available to help water system operators avoid or correct problems. Staff in the department's regional and satellite offices carry out most of these activities.

For all violations, public water systems are required to notify the consumers they serve. The department provides all public water systems with the necessary forms and information to effectively notify the public. The method of notification varies by the violation and system type. Systems must report back to the department how the public notice was performed. Some violations, such as the

confirmed detection of fecal coliform bacteria or E. coli, warrant immediate action due to the threat to public health. For such acute violations, the department requires systems to notify customers within 24 hours to boil water before consumption. Boil water orders remain in effect until the problem has been corrected and the water is safe to consume.

## For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176 or calling 800-361-4827 or 573-751-5331. Information is also available at [www.dnr.mo.gov/env/wpp/dw-index.htm](http://www.dnr.mo.gov/env/wpp/dw-index.htm).

# Summary of Violations Table

The following definitions apply to the Summary of Violations table.

**Filtered Systems:** Water systems that have installed filtration treatment [10 CSR 60-4.050].

## Inorganic Contaminants:

Non-carbon-based compounds such as metals, nitrates and asbestos. These contaminants are naturally occurring in some water, but can get into water through farming, chemical manufacturing and other human activities [10 CSR 60-4.030].

**Lead and Copper Rule:** Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures [10 CSR 60, Chapter 15]. Violations are reported for: failure to monitor; failure to install optimal corrosion control treatment or a source water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and failure to provide required public education about reducing or avoiding lead intake from drinking water.

**Organic Contaminants:** Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories [10CSR 60-4.040 and 4.100].

**Radionuclides:** Radioactive particles that can occur naturally in water or result from human activity. Safe drinking water regulations set maximum contaminant levels on five types of radionuclides: radium-226, radium-228, uranium, gross alpha and beta particle/photon radioactivity [10 CSR 60-4.060].

**Surface Water Treatment Rule:** This includes a series of rules promulgated from 1989-2009 that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term 1 Enhanced Surface Water Treatment

Rule, Long Term 2 Enhanced Surface Water Treatment Rule) [10 CSR 60-4.050 and 60-4.052].

Violations of the surface water treatment rules are reported for the following categories:

- **Monitoring, routine/repeat (for filtered systems):** Failure to carry out required tests or to report the results of those tests. A major monitoring violation for the surface water treatment rule occurs when at least 90 percent of the required samples are not taken or results are not reported during the compliance period.
- **Treatment techniques (for filtered systems):** Failure to properly treat the water.
- **Total Coliform Rule:** The Total Coliform Rule, or TCR, establishes regulations for microbiological contaminants in drinking water. These contaminants can cause a short-term health problem. If no samples are collected during the one-month compliance period, a major monitoring violation occurs. States report four categories of violations to EPA:
  1. **Acute MCL violation:** A violation where the system found fecal coliform or E. coli, potentially harmful bacteria, in its water.
  2. **Non-acute MCL violation:** A violation where the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5 percent of the samples positive for total coliform is a violation.
  3. **Major routine and follow-up monitoring:** A violation where a system did not perform any monitoring.
  4. **Sanitary Survey:** A major monitoring violation if a system fails to collect five routine monthly samples if sanitary survey is not performed.

## Maximum Contaminant Level:

The highest amount of a contaminant allowed in drinking water. Maximum Contaminant Levels, or MCLs, ensure drinking water does not pose a health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

**Monitoring:** The department specifies which water testing methods the water systems must use and sets schedules for the frequency of testing. A water system that does not follow the department's schedule or methodology is in violation [10 CSR 60-4.010]. States must report monitoring violations that are significant as determined by the EPA Administrator, in consultation with the department. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period.

**Groundwater Rule:** Applies to public water systems that serve groundwater. It ensures monitoring of groundwater sources for E. coli contamination, and relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

**Treatment Techniques:** A water disinfection process that EPA requires instead of a MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

**Violation:** A failure to meet any state or federal drinking water regulation.

## Organic Contaminants: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Organic Contaminants</b>		*					
1,1,1-Trichloroethane	0.2					5	5
1,1,2-Trichloroethane	0.005					5	5
1,1-Dichloroethylene	0.007					5	5
1,2,4-Trichlorobenzene	0.07					5	5
1,2-DBCP	0.0002						
1,2-Dichloroethane	0.005					5	5
1,2-Dichloropropane	0.005					5	5
2,3,7,8-TCDD (Dioxin)	3x10-8						
2,4,5-TP	0.05					3	3
2,4-D	0.07					3	3
Acrylamide							
Alachlor	0.002						
Aldicarb						3	3
Aldicarb Sulfone						3	3
Aldicarb Sufoxide						3	3
Atrazine	0.003					3	3
Benzene	0.005					5	5
Benzo[a]pyrene	0.0002						
BHC Gamma						3	3
Carbofuran	0.04					3	3
Carbon tetrachloride	0.005					5	5
Cholorobenzene						5	5
Chlordane	0.002					3	3
cis-1,2-Dichloroethylene	0.07					5	5
Dalapon	0.2					3	3
Di(2-ethylhexyl)adipate	0.4						
Di(2-ethylhexyl)phthalate	0.006						
Dichloromethane	0.005					5	5
Dinoseb	0.007					3	3
Diquat	0.02						
Endothall	0.1						
Endrin	0.002					3	3
Epichlorohydrin							
Ethylbenzene	0.7					5	5
Ethylene dibromide	0.00005						
Glyphosate	0.7						
Heptachlor	0.0004					3	3
Heptachlor epoxide	0.0002					3	3

<sup>1</sup> Values are in milligrams per liter (mg/L), unless otherwise specified

\*Shaded areas indicate a violation is not applicable in this category

## Organic Contaminants: Jan. 1, 2013 - Dec. 31, 2013

	MCL <sup>1</sup> (mg/L)	MCL		Treatment Technique		Significant Monitoring/ Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Hexachlorobenzene	0.05						
Hexachlorobenzene	0.001					3	3
Hexachlorocyclopentadiene	0.05					3	3
Lasso	0.05					3	3
Lindane	0.0002						
Methoxychlor	0.04					3	3
Monochlorobenzene	0.1						
o-Dichlorobenzene	0.6					5	5
Oxamyl (Vydate)	0.2					3	3
Para-Dichlorobenzene	0.075					5	5
Pentachlorophenol	0.001					3	3
Picloram	0.5					3	3
Simazine	0.004					3	3
Styrene	0.1					5	5
Tetrachloroethylene	0.005					5	5
Toluene	1					5	5
Total PCB	0.0005						
Toxaphene	0.003					3	3
Trans-1,2-Dichloroethylene	0.1					5	5
Trichloroethylene	0.005					5	5
Vinyl chloride	0.002					5	5
Xylenes (total)	10					5	5

1 Values are in milligrams per liter (mg/L), unless otherwise specified

## Disinfection Byproducts Rule: Jan. 1, 2013 - Dec. 31, 2013

	MCL <sup>1</sup> (mg/L)	MCL		Treatment Technique		Significant Monitoring/ Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total trihalomethanes	0.80	27	14				
Haloacetic acids	0.60	2	1				
Disinfection byproducts		29	14	14	9		
Total Organic Compounds				10	5		
Insufficient or Non-certified Operator				4	4		

## Inorganic Contaminants: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Inorganic Contaminants</b>							
Antimony	0.006					5	5
Arsenic	0.010					5	5
Asbestos	7 million fibers/L						
Barium	2					5	5
Beryllium	0.004					5	5
Cadmium	0.005					5	5
Chromium	0.1					5	5
Cyanide (as free cyanide)	0.2					5	5
Fluoride	4.0	5	2			5	5
Mercury	0.002					5	5
Nitrate	10 (as nitrogen)						
Nitrite	1 (as nitrogen)						
Selenium	0.05					5	5
Thallium	0.002					5	5
Total nitrate and nitrite	10 (as nitrogen)					51	51

## Radiological Contaminants: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Radiological Contaminants</b>							
Gross Alpha	15pCi/L	32	11			7	5
Radium-226 and radium-228	5 pCi/L	32	10			7	5
Gross beta	4 mrem/yr						
Subtotal		64	13 <sup>2</sup>			14	5

## Microbiological Contaminants: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Total Coliform Rule</b>							
Acute MCL violation	Presence	18	17				
Non-acute MCL violation	Presence	411	260				
Major routine and follow up Monitoring						589	362
Sanitary survey <sup>3</sup>							
Subtotal		429	240 <sup>4</sup>			589	362

1 Values are in Picocuries per liter (pCi/L), unless otherwise specified

2 Some systems may have violations in multiple categories

3 Number of violations for failure to perform sanitary survey under the Total Coliform Rule.

4 All Systems with an acute MCL violation also had a non-acute monthly MCL violation for the same month

## Surface Water Treatment Rule: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Surface Water Treatment</b>							
Filtered systems							
Monitoring, routine/repeat						0	0
Treatment techniques				14	7		
Unfiltered systems							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				14	7	0	0

## Lead and Copper Rule: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Lead and Copper Rule<sup>1</sup></b>							
Initial lead and copper tap monitoring and reporting						4	4
Follow-up or routine lead and copper tap monitoring and reporting						25	25
Treatment installation							
Public education						28	28
Subtotal						57	57

<sup>1</sup> Includes any system not up to date on lead and copper monitoring. Not comparable with Annual Compliance Report figures from 2012.

## Public Notification: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Public Notification						561	339
Consumer Confidence Reports <sup>1</sup>						277	277
Subtotal						838	599

<sup>1</sup> Violations for failure to produce and distribute the 2011 Consumer Confidence Report in 2012.

## Groundwater Rule: Jan. 1, 2013 - Dec. 31, 2013

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL <sup>1</sup> (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
<b>Groundwater Rule</b>							
Failure to treat				1	1		
Failure to address contamination				0	0		
Failure to address deficiency				14	14		
Public Notice						0	0
Sanitary Survey						0	0
Major routine and follow up monitoring						73	43
Subtotal				15	15	73	43

## Appendix A - MCL Violations

### I. Coliform MCL Violations - Acute

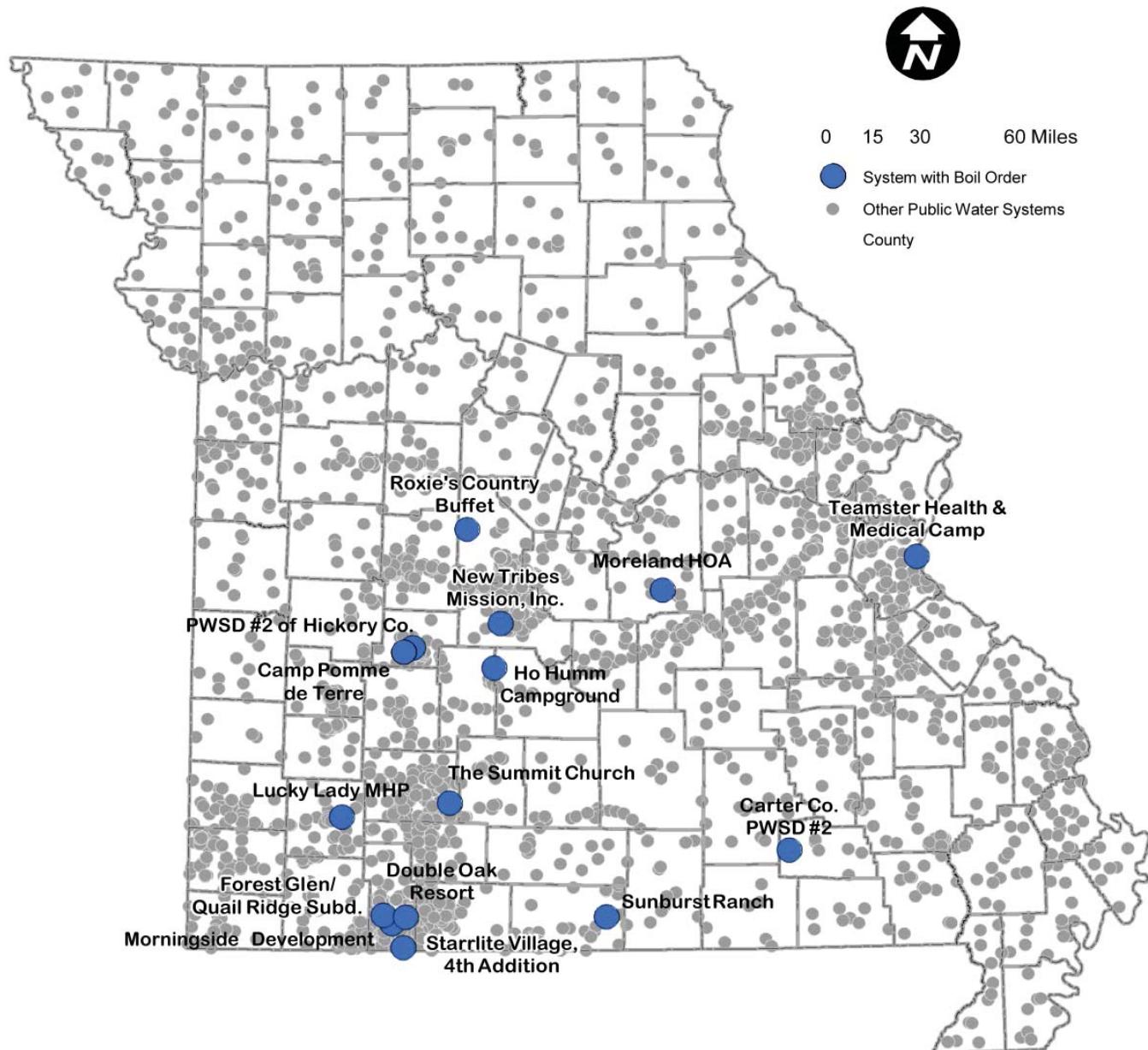
The following systems were under boil water orders due to acute MCL violations for fecal coliform or E. coli bacteria for the months listed. These acute violations also violate the standard for total coliform bacteria.

County	ID#	System Name	Month(s)	Issue	Rescind
Benton	MO1212806	Lost Acres (Vikings)	August	N/A	N/A
Camden	MO3281045	New Tribes Mission Inc.	November	11/18/2013	11/26/2013
Carter	MO4024109	Carter CO PWSD 2	April	4/24/2013	5/3/2013
Dallas	MO5240083	HoHumm Campground	August	9/3/2013	4/11/2013
Greene	MO5272956	The Summit Church	May	6/7/2013	8/26/2013
Hickory	MO5243080	Camp Pomme De Terre	August	8/14/2013	9/4/2013
	MO5021292	PWSD 2 of Hickory Co.	October	10/28/2013	11/15/2013
Jefferson	MO6240133	Teamster Health & Medical Camp	June	6/28/2013	7/8/2013
Lawrence	MO5048294	Lucky Lady Mobile Home Park	April	5/9/2013	5/16/2013
	MO5048294	Lucky Lady Mobile Home Park	August	5/9/2013	9/25/2013
Maries	MO3191371	Moreland Homeowners Association	August	9/3/2013	3/5/2014
Morgan	MO3212584	Roxie's Country Buffet	April	4/22/2013	4/30/2013
Ozark	MO5245740	Sunburst Ranch	June	7/1/2013	7/18/2013
Phelps	MO4242857	Little Prairie Bible Camp	August	N/A	N/A
Stone	MO5190988	Double Oak Resort	August	9/3/2013	11/13/2013
	MO5031353	Forest Glen/Quail Ridge Subdivision	May	5/30/2013	6/6/2013
	MO5031511	Morningside Development	May	5/17/2013	5/23/2013
	MO5258070	Starrlite Village 4 <sup>TH</sup> Addition	August	8/19/2013	8/30/2013

**Note:** If no "Rescind Date", the boil order was still in effect at time of printing.

## I. Coliform MCL Violations - 2013 Boil Water Orders

Issued due to acute MCL violations of the Total Coliform Rule and the Surface Water Treatment Rule



## I. Coliform MCL Violations - Non-Acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
Barry	MO5031627	Airpark Beach	January, February, April
	MO5036196	Barry County PWSD 2	December
	MO5071342	Ozark Villa at Shell Knob	October, November, December
	MO5171119	Shell Knob Elementary School	August, September
	MO5211485	Timberoc Village Shopping Center	November
	MO5218155	Subway	August
	MO5231302	Shumaker Tire Company Inc.	August
	MO5261623	Country Village MHP	August
	MO1041483	Our Slice of Paradise	May
	MO1212806	Lost Acres (Vikings)	August, October
Benton	MO1253088	Eagle Bay Property Owners Association	July, October
	MO1292877	EZMart	August
	MO3031364	Lake Ridge Bay	November, December
	MO3036072	Lakeview Heights Subdivision	June
	MO3036123	Blue Branch Improvement Association Inc.	June, July, August, September, October, November, December
	MO3036133	Pom Osa Height Subdivision	June, July, August, September, November
	MO3041361	Country Acres Mobile Home Park	January, February, March
	MO3112282	USACE Truman Berry Bend	October
	MO3142486	Lost Valley Hatchery	June, July, August
	MO3181385	RBC Manufacturing Corp.	July, August, September, November
Butler	MO3190266	Rivers End Motel	June, August
	MO3210326	Hilltop Bar-B-Q	July
	MO3270289	Cedar Grove Baptist Church	September
	MO3291407	Hot Spot 1	April, June, July
	MO4048184	Clets Trailer Park	February, March, April
	MO4191461	Millers Motor Lodge	October, November
	MO1024078	Caldwell CO PWSD 1	May
	MO3048994	New Christian Life Fellowship	September, October, November
	MO3031208	Makulu Estates	December
	MO3031242	Serenity Bay Subdivision	September
Caldwell	MO3031280	Sylvan Bay Subdivision	September
	MO3031323	Ginger Cove Subdivision	August, September
	MO3071339	Nantucket Bay	May
	MO3190763	Irish Hills Lakeside Resort LLC	August, September
	MO3191837	Hawks Nest Condo Association	June, August, October
	MO3191999	Wilsons Resort	August, September, October
	MO3192146	Point Randall Resort	April
	MO3192351	Dogwood Acres Resort	August
	MO3198088	Mickeyland Resort	May, June
	MO3211098	54 Diner	August
Callaway	MO3212294	Backwater Jacks Bar & Grill	May
	MO3212445	Mariners Pier 31 Yacht Club	August
	MO3218100	Fatties Rendezvous	April

## I. Coliform MCL Violations - Non-Acute *(Continued)*

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
Camden	MO3238024	St Moritz Estates Condo	November
	MO3248177	Linn Creek Campground	August
	MO3281045	New Tribes Mission Inc.	September, November
	MO5212834	Come On In Café	July
	MO5243013	Missouri Trap Shooters Association	June, August
	MO5251596	Coffman Bend 13 Water	June
	MO5301407	Royale palms	September
	MO5301480	Sunset Palms Condominiums	August, September
Cape Girardeau	MO4024096	Cape Perry CO PWSD 1 South	November
	MO4079503	Mid America Teen Challenge	June, July
	MO4202639	Hidden Valley Fishing Club	January, February
	MO4231318	Ron's Butcher Shop & Grocery	October
Carter	MO4024109	Carter CO PWSD 2	April, May, August
Cedar	MO5010241	El Dorado Springs	November
	MO5212752	Orleans Trail Restaurant	September
Christian	MO5242983	Caplinger Mills Campground	August
	MO5010576	Nixa	July, October, November
	MO5036305	Pippenville & Oak Park Home Owners Association	November
	MO5040637	Apple Valley Court	October, November
	MO5273003	Lifepoint Church	October
Cole	MO5282624	Saddlebrooke Visitor Center	October
	MO5291585	Cowboy Corral	May, June
	MO3024164	Cold CO PWSD 5	July, August
	MO3171146	Cole R-V School	February
Crawford	MO3240249	Camp Mihaska	October
	MO6210144	Meramec Valley Camp Resort	June, September
Dade	MO5031363	Oak Ridge Hills	August, September
Dallas	MO5041253	Meritts Campground	October
	MO5240083	HoHumm Campground	May, August
Dent	MO5292380	D Diamond Travel Plaza	July
	MO4010883	Bunker	August
	MO4283064	Virginia Vaughan Rentals	May
Dunklin	MO4010490	Malden	May, July
	MO4024206	Dunklin CO PWSD 1	August
Franklin	MO4024209	Dunklin CO PWSD 3 South	July
	MO6010303	Gerald	June, August, September
	MO6010708	St Clair	May
	MO6010801	Union	April, May
	MO6024214	Franklin CO PWSD 4	August
	MO6036269	Woodland Hills Subdivision	July, August
	MO6242645	Camp Trinity	March
	MO6292800	Wayside South	September

## I. Coliform MCL Violations - Non-Acute *(Continued)*

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

<b>County</b>	<b>ID#</b>	<b>System Name</b>	<b>Month(s)</b>
Franklin	MO6292966	K's Kwik-Korner	October
Gasconade	MO3031293	Gascony Village	October, November
	MO6036015	Peaceful Valley Service Co	August
	MO6213044	On The Line Diner	September
Greene	MO5036187	Cross Roads Acres	July
	MO5036304	Pembrook Village Subdivision	August
	MO5048099	The Springfield Willow Utility Company	April
	MO5141078	Andy Dalton Shooting Range TRN CTR	September
	MO5272956	The Summit Church	May
	MO5282754	JD Lee & Sons Funeral Home	May
Hickory	MO5010197	Cross Timbers	September
	MO5021292	PWSD 2 of Hickory CO	October, November, December
	MO5112098	USACE Pomme De Terre The Harbor	October
	MO5208303	Whiteside Hidden Acres	November
	MO5210920	Hickory Ridge HWY 83 Marina & Resort	April, May
	MO5212321	CCS Wagon Wheel Bar & Grill	May
	MO5243040	Whiteside Hidden Acres Campground #1	November
	MO5243041	Whiteside Hidden Acres Campground #2	November
	MO5243080	Camp Pomme De Terre	July, August
	MO5252968	Pomme De Villa Subdivision	November, December
Howell	MO4024267	Howell Oregon CO PWSD 2 North	November
	MO4292995	Bullseye 24	November
Iron	MO4020601	Pilot Knob Rural WD 1 N & S	May
Jasper	MO5010004	Alba	October
	MO5041599	Pleasant Valley MHP	April, September
	MO5182571	Mid America Hardwoods	November, December
	MO5182965	General Dynamics	October
	MO5292997	Pump-N-Pantry of Diamond	October
Jefferson	MO6036028	Lake Lorraine Water Co	October
	MO6036148	Ware Lake Subdivision	August, September
	MO6041184	Walker Hill MHP	January, March, June
	MO6048142	D & J MHP	October
	MO6180934	River Cement Company	July, August
	MO6182217	Ameren U E Rush Island	October
	MO6240133	Teamster Health & Medical Camp	June, July
Laclede	MO5010185	Conway	October
	MO5171189	Gasconade C 4 Elementary School	July, August
Lawrence	MO5048294	Lucky Lady Mobile Home Park	April, August
	MO5218165	Honey Creek Golf Club	May
	MO5231809	3V Corporation	August
	MO5272726	Freedom Christian Center	September, November
Lincoln	MO6031357	Fawn Lakes	October, November
	MO6036217	Lakeview Subdivision Water System	June, July, December
	MO6048290	Lindeman MHP	October, December

## I. Coliform MCL Violations - Non-Acute *(Continued)*

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

<b>County</b>	<b>ID#</b>	<b>System Name</b>	<b>Month(s)</b>
Lincoln	MO6122660	Cuivre River State Park Picnic Shelter	September, October
	MO6202975	El Shaddai Ranch	August, September
Maries	MO3010054	Belle	June
	MO3031246	Town of Martin	October
	MO3191371	Moreland Homeowners Association	August, September
	MO3221427	Rolla National Airport	January, November
	MO3242408	Turkey Hill Ranch Bible Camp	October
	MO4292847	Crossroads Convenience Store	August
Miller	MO3010240	Eldon	February
	MO3048097	Doolittle MHP	June, July, August, September
	MO3241441	Million Shorewood Landing	July, August, September
	MO3241751	Lazy River Resort	July
	MO5213069	Docknockers Dive Bar	May
	MO5292911	Cedar Junction	December
Moniteau	MO3024395	Moniteau CO PWSD 1	October
	MO3290673	Bee Line	September
Montgomery	MO3011121	Rhineland	July, August, September
	MO3281053	Loutre Shore Country Club	October, November
Morgan	MO6282894	Loutre Market	May
	MO3031345	Oklaterre Mobile Home Park	October, December
	MO3031358	Morgan CO PWSD 2	September, October
	MO3212558	Lehman's Restaurant	May, July
	MO3212584	Roxie's Country Buffet	April
	MO3240046	Wonderland Camp	August
	MO3240282	Cross Pointe Camp & Retreat Center	February, July, November
	MO3241404	Hava Space RV Park	December
	MO3248267	Creekside RV Park	July, August
	MO3250819	Cool Valley Association	September
New Madrid	MO5031454	Bendco Cove	March
	MO5192693	Aqua Vitae Estates	August
	MO5253023	Smileys Subdivision 2	May, July, August
	MO4010304	Gideon	June
Newton	MO4010689	Risco	November, December
	MO4024418	New Madrid CO PWSD 4	March
	MO5048224	Town & Country MHP	February, March
Ozark	MO5048225	Big Valley Park MHP	September, October
	MO5241734	KOA Campground	July
	MO5242492	Skateland	August, September
	MO5272988	Silver Moon Full Gospel Church	January
	MO5192286	Turkey Creek Ranch	August, September
	MO5202448	Lost Woods Golf Course	March, May
	MO5232259	Cloud 9 Ranch Club Inc.	July
	MO5240536	Dawt Mill and Campground	November
	MO5242739	Pettit Canoe Rental	August

## I. Coliform MCL Violations - Non-Acute (Continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
Ozark	MO5242740	Sunburst Ranch	June
Perry	MO4010636	Perryville	July
	MO4036202	Lake Kah Tan Da Estates Inc.	October
	MO4036226	S K & M Water Co Inc.	August
Pettis	MO3036065	Southern Hills Water Co	September
	MO3036066	Southwood Acres Subdivision	July
	MO3190893	Budget Host Super 7 Motel	January, December
Phelps	MO3036151	Gladlo Water & Sewer Inc.	July
	MO3048123	Stately Mansion Mobile Villa	April, September
	MO3048127	Woodcrest MHP	May, June
	MO3069013	Great Circle	November
	MO3190089	The James Foundation	August, September
	MO4242857	Little Prairie Bible Camp	August
	MO4243048	Pheasant Acres RV Park LLC	September
Pike	MO2010093	Bowling Green	September
	MO5031606	Sunshine Estates	June
	MO5283052	Brighton Assembly of God	January, June, July, August
Pulaski	MO3010196	Crocker	September
	MO3024490	Pulaski CO PWSD 1	November
	MO3211134	The Cave Restaurant & Resort	February, March, July
	MO3211505	Di Trapani Italian Bistro	August
Reynolds	MO4100015	USFS Sutton Bluff Rec Area	October
	MO4190139	Twin Rivers Landing	August, September
	MO4293001	Centerville Quick Stop LLC	August
Scott	MO4010062	Benton	November, December
	MO4010743	Sikeston	September
	MO4048095	Ferrell's Trailer Court	August, September
	MO4173024	S Lawrence Parish Properties	August, September, October, November
St Charles	MO6036136	Tara Oaks Manor Association	September
	MO6212040	TA St Louis West 175	November
	MO6232941	North Shore marina	October
St Clair	MO5171219	Roscoe C 1 Elementary School	August, December
	MO5171551	Osceola Public School	October, November
	MO5218049	United Producers Inc.	July
St Francois	MO4010270	Farmington	July
St Louis	MO6182498	Western Oil Company	October
	MO6202439	West Tyson County Park	August, September
Ste Genevieve	MO4010718	St Mary	July, August
	MO4036146	Lake Forest Estates	September
	MO4258565	Peaceful Valley Baptist Cap	September, October
Stoddard	MO4010255	Essex	August
	MO4180594	Nestle Purina Petcare Company	November, December
Stone	MO5031233	Long Bend Subdivision	June, July

## I. Coliform MCL Violations - Non-Acute *(Continued)*

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
Stone	MO5031353	Forest Glen/Quail Ridge Subdivision	May, October, November
	MO5031511	Morningside Development	February, March, May
	MO5031629	Deer Mountain Heights	March, May, July
	MO5036017	Holiday Hills 1 2 3 Addition	December
	MO5061373	Lives Under Construction Boys Ranch	October
	MO5171914	Blue Eye R-V School	August
	MO5190587	White Eagle Woods MHP	November
	MO5190988	Double Oak Resort	August
	MO5191453	Village at Indian Point	June, December
	MO5191971	Marina Inn	April
	MO5212501	The Rocks Lakeside Grill & Lounge	May, June
	MO5212889	Campfire Grill	April
	MO5213070	Baxter Country Store	September
	MO5251628	Grandview Acres Subdivision	June, July, September
	MO5252629	Anglers Bend Sub Rees 1 <sup>ST</sup> Addition	October
	MO5258070	Starrlite Village 4 <sup>TH</sup> Addition	August
	MO5282679	The Lake House	January
	MO5290227	Y-76 Handi Mart	June, August
Taney	MO5010374	Hollister	September
	MO5031498	Cliffs at Long Creek	June
	MO5031621	Green Acres Homeowners Association	October
	MO5048992	Walker Mobile Home Park	June, September
	MO5069068	Lakeside Mountain Manor	December
	MO5070683	Deer Run Apartments	August, October
	MO5191610	Pine Valley Resort	April
	MO5191757	Lake Shore Resort LLC	July
	MO5202075	Top of the Rock Golf Course	August
	MO5221580	Branson Airport LLC	August, September, December
	MO5258138	Rapid Roberts 104	February, October
	MO4010382	Houston	October, November, December
Texas	MO4024608	Texas CO PWSD 3	April, June
	MO6213062	Cedar Lake Cellars	May, June
Washington	MO4021447	Washington CO PWSD 2	April
	MO4036311	Anthonies Mill Resort Subdivision	June, July, October
	MO4040818	Cabreva Acres	July
	MO4172516	Kingston K-14 School Primary	September
	MO6010659	Potosi	June
	MO6120173	Washington State Park-Office	September, October, December
	MO4112033	USACE Wappapello Res Holiday Landing	June
Wayne	MO4241970	USACE Camp Semo Wappapello	July
	MO5192923	Plaza Motel	June
	MO5281419	Crosscut Home Center	June
Wright	MO5171242	Manes R-V Elementary School	October

## II. Chemical MCL Violations

County	ID#	System Name	Chemical
Atchison	MO1010786	Tarkio Board of Public Works	Total Trihalomethane (TTHM)
Audrain	MO2010812	Vandalia	Total Trihalomethane (TTHM)
Cass	MO1010301	Garden City	Total Trihalomethane (TTHM)
Clay	MO1024143	Clay CO PWSD 3	Total Trihalomethane (TTHM)
Dekalb	MO1010510	Maysville	Total Trihalomethane (TTHM)
Gentry	MO1070639	Middle Fork Water Co.	Total Trihalomethane (TTHM)
Grundy	MO2010796	Trenton Municipal Utilities	Total Trihalomethane (TTHM)
Henry	MO1010076	Blairstown	Total Trihalomethane (TTHM)
Lafayette	MO1010599	Odessa	Total Trihalomethane (TTHM)
Lincoln	MO6024340	Lincoln CO PWSD 1	Fluoride
	MO6031217	Timber Ridge Estates	Fluoride
Marion	MO2010344	Hannibal	Total Trihalomethane (TTHM)
Pike	MO2010479	Louisiana	Total Trihalomethane (TTHM)
Saline	MO2010502	Marshall	Total Trihalomethane (TTHM)
Scotland	MO2010513	Memphis	Total Haloacetic Acids (HAA5)
Worth	MO1010739	Sheridan	Total Trihalomethane (TTHM)

## III. Radiological MCL Violations

County	ID#	System Name	Chemical
Camden	MO3031265	Big Island Water Company	Combined Radium (-226 & -228)
Cape Girardeau	MO4021532	Cape Girardeau CO PWSD 5	Gross Alpha, Excl. Radon & U
	MO4031453	Westlake Meadows Subdivision	Gross Alpha, Excl. Radon & U
Lincoln	MO6010902	Silex	Combined Radium (-226 & -228)
McDonald	MO5010449	Lanagan	Combined Radium (-226 & -228)
Ozark	MO5024444	Ozark CO PWSD 1	Gross Alpha, Excl. Radon & U
St Francois	MO4010087	Bonne Terre	Combined Radium (-226 & -228)
	MO4010270	Farmington	Gross Alpha, Excl. Radon & U
	MO4021451	Pilot Knob Rural WD 1 Doe Run Area	Combined Radium (-226 & -228)
	MO4036059	Terre Du Lac	Combined Radium (-226 & -228)
Taney	MO5036210	MO American - Riverside Estates	Gross Alpha, Excl. Radon & U
Vernon	MO5024616	Vernon CO PWSD 1	Combined Radium (-226 & -228)
Washington	MO4011123	Mineral Point	Gross Alpha, Excl. Radon & U
			Combined Radium (-226 & -228)

#### IV. Surface Water Violation

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period indicated.

<b>County</b>	<b>ID#</b>	<b>System Name</b>	<b>Month(s)</b>	<b>Issue</b>
Caldwell	MO1010099	Breckenridge	June	Combined Filter Effluent Turbidity
Cass	MO1010024	Archie	March	Combined Filter Effluent Turbidity
	MO1010301	Garden City	March, September, October	Combined Filter Effluent Turbidity
Clinton	MO1010648	Plattsburg	November	Combined Filter Effluent Turbidity
Dekalb	MO1010510	Maysville	March, April, May, July	Combined Filter Effluent Turbidity
Gentry	MO1070639	Middle Fork Water Co.	July	Combined Filter Effluent Turbidity
Nodaway	MO1024428	Nodaway CO PWSD 1	April, May, June	Significant Deficiency (Storage)

## Appendix B - Chronic Major Monitoring Violations

The following systems had three or more major monitoring violations of the Total Coliform Rule in 2013.

County	System Name	PWS ID#	Month(s)
Benton	Colony Baptist Church	MO3270290	January, February, June, July, November
	Hidden Valley MHP	MO3262156	January, February, March, April, May, June, July, August, September, October, November, December
	TT Campground	MO1242804	January, February, March, April, May, June, July, August, September, October, November, December
Butler	Stop & Go	MO4292680	September, October, November
Callaway	Mokane Water Co Op	MO3010535	June, August, October
	Riverview Nursing Center	MO3069003	June, August, October
Camden	Laurie Mobile Home Park	MO5041617	February, March, April, May, June, July
	Wilsons Resort	MO3191999	March, May
Christian	Stampede Country Store	MO5258307	February, March, July, August
Gasconade	One the Line Diner	MO6213044	February, March, April, May, August, December
Jasper	Flyin' W Convenience Store	MO5258080	January, April, May, August
	Mid America Hardwoods	MO5182571	March, April, May, June, July, August, September, October
	Purcell	MO5010665	April, June, September, October
Jefferson	Woodhurst MHP	MO6048059	January, May, June, July, August, October, November, December
Laclede	Mountain Creek Campground	MO5240134	April, June, August
McDonald	USA Tank DBA Global Therm 261	MO5180605	January, February, March
	Calvary Chapel Lake of the Ozarks	MO5273082	May, June, August, September
Miller	Dragon Lake Cafe	MO5213046	May, October, December
Ozark	Twin Forks Resort	MO5190867	April, May, August, September
Perry	Rhodes 101 Convenience Store	MO4211072	March, June, October
Pettis	Kreative Kiddos	MO1283097	September, October, December
St. Charles	North Shore Marina	MO6232941	April, May, June, August
St. Louis	Jay Henges Range	MO6140960	May, June, November
Stone	Bridgeport 1 <sup>ST</sup> Addition	MO5031420	March, April, May, June
	Skyview Subdivision	MO5031613	January, March, April, May, June, July, August, September, October, November, December
	Table Rock Shores Campground	MO5243075	February, May, November
Taney	Senior Friendship Site	MO5218056	February, April, July, October, November, December

## Appendix C - Major Repeat Monitoring Violations

The following systems had major repeat monitoring violations for the months listed. A major repeat monitoring violation occurs when a routine sample tests positive for total coliform bacteria and that system fails to submit any follow-up, or repeat, samples as required.

County	ID#	System Name	Month(s)
Barry	MO5172958	Berean Christian Academy	December
	MO5210653	Mitchells Plaza	October
Benton	MO3270289	Cedar Grove Baptist Church	February
	MO3190694	El Kay Lake View Motel	October
Camden	MO3212445	Mariners Pier 31 Yacht Club	June
	MO5212834	Come On In Café	August
Cape	MO4202639	Hidden Valley Fishing Club	November
Cedar	MO5172802	Agape Boarding School	October
	MO5282846	American Veterans Post 116	August
Christian	MO5048267	White Pine Village	August
	MO5172506	Home Away From Home Learning Center	April
Douglas	MO5192943	Lost Cabins Resort	August
	MO5212925	Hitching Post Bar and Grill	May
Gasconade	MO6213044	One the Line Diner	July
	MO6293060	Old Dutch Mill	June
Greene	MO5218149	Little Guys Baseball Club	February
	MO5272956	The Summit Church	April
Hickory	MO5208303	Whiteside Hidden Acres	October
	MO5210920	Hickory Ridge HWY 83 Marina & Resort	June
Jefferson	MO6048059	Woodhurst MHP	February, July
Lincoln	MO6031357	Fawn Lakes	November
Miller	MO5212967	Old Town Osage	December
Montgomery	MO3281053	Loutre Shore Country Club	June
Morgan	MO5202702	Mallard Bay	September
Newton	MO5010678	Redings Mill	September, December
	MO5242492	Skateland	July
Ozark	MO5202448	Lost Woods Golf Course	September
	MO5232259	Cloud 9 Ranch Club Inc	August
Reynolds	MO4100015	USFS Sutton Bluff Rec Area	September
St. Clair	MO5218049	United Producers Inc	June
St. Francois	MO4203093	Stone Park Resort	October
Stone	MO5031128	Blue Water Village/Blakewood Subdivision	September
	MO5031353	Forest Glen/Quail Ridge Subdivision	September
Taney	MO5190587	White Eagle Woods MHP	October
	MO5190976	Four Seasons Resorts	July
Taney	MO5036117	Moore Bend Water Utility, LLC	April
	MO5036180	Taney CO Water LLC - Venice	September
	MO5048992	Walker Mobile Home Park	July
	MO5218056	Senior Friendship Site	January
	MO5221580	Branson Airport LLC	November, December
Vernon	MO5024622	Vernon CO PWSD 7	May



**MISSOURI**  
**DEPARTMENT OF**  
**NATURAL RESOURCES**

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